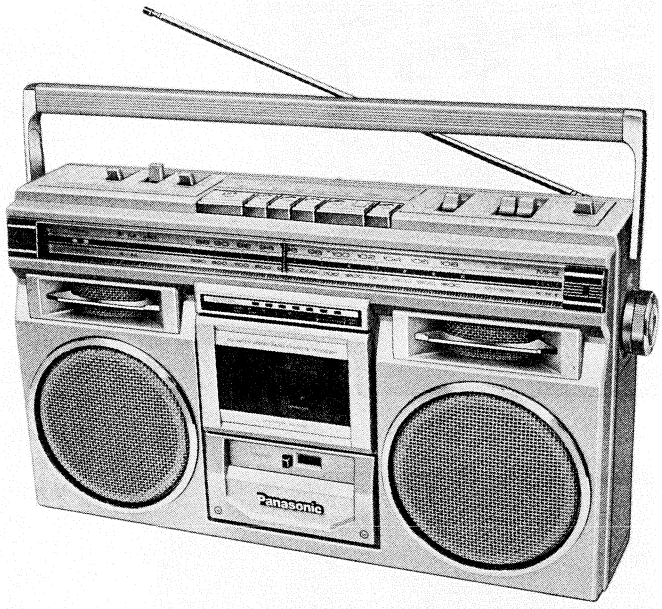
ORDER NO. RD81035189C1

Service Manual

Radio Cassette

RX-5110/©

FM-AM-FM Stereo Radio Cassette



RX-1750 MECHANISM SERIES

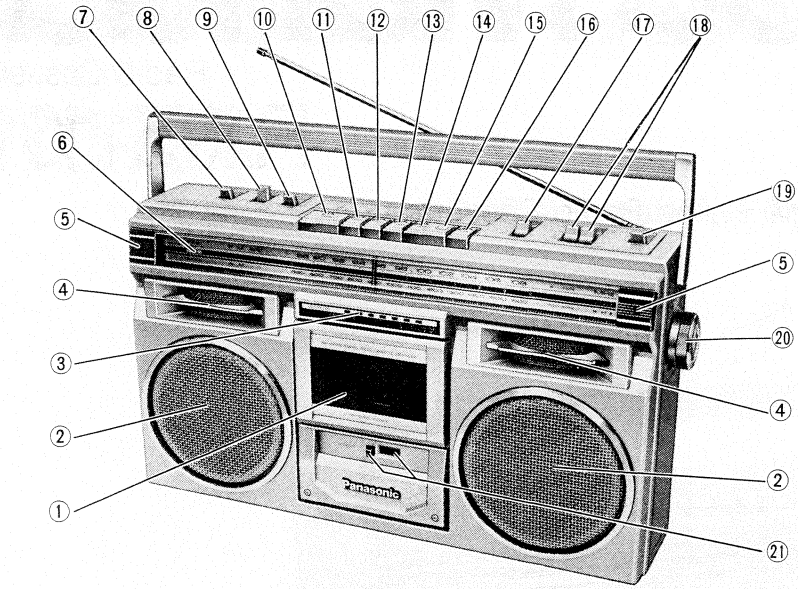
■ SPECIFICATIONS

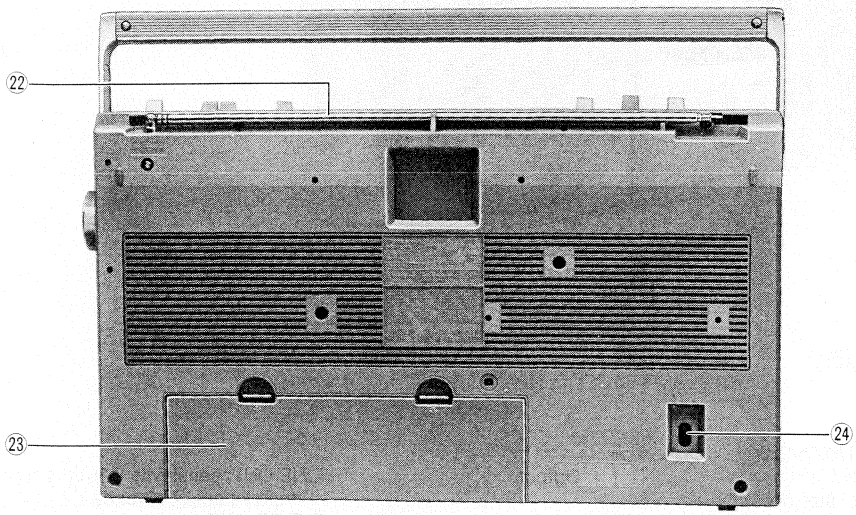
Power Requirement:	AC; 100~110/115~127/200~220/230~250V, 50/60Hz Battery, 12V (eight-"D" size dry batteries) (Panasonic UM-1 or equivalent) Car/boat battery; with optional car/boat adaptor RP-952
Power Consumption:	25W
Power Output:	12W (6W×2)...RMS (max.)
Frequency Range:	50~11,000Hz (with normal tape) 50~13,000Hz (with CrO_2 tape)
Recording System:	AC bias, MAGNET erase
Tape Speed:	4.8cm/s, ($1^{7}/_{8}$ ips)
Program Time:	1 hour with C-60 cassette tape
Track System:	4-track 2-channel stereo recording and playback
Input:	MIC; sensitivity 0.32mV/applicable microphone impedance 200~600Ω LINE IN; sensitivity 220mV/47kΩ over DC IN; 13.2V
Output:	LINE OUT; sensitivity 0.36V impedance 4.7kΩ under EXT SP; 3~8Ω HEADPHONES; 8Ω
Speakers:	Woofer 12cm (5") PM Dynamic speakers (3Ω) Tweeter 3cm ($1^{1}/_{4}$") Ceramic speakers (200Ω)
Radio Frequency Range:	FM; 88~108MHz AM; 525~1610kHz
Intermediate Frequency:	FM; 10.7MHz AM; 455kHz
Sensitivity:	FM; 2μV/50mW output AM; 70μV/m/50mW output
Dimensions:	467mm (W) × 267mm (H) × 155mm (D) [$18^{3}/_{8}$" (W) × $10^{1}/_{2}$" (H) × $6^{1}/_{8}$" (D)]
Weight:	4.8kg (10 lb. 9 oz.) without batteries

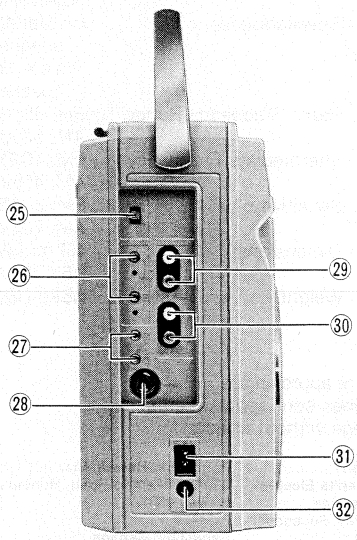
Weights and dimensions shown are approximate.
(Les poide et dimensions mentionnes sont approximatifs.)
Specifications are subject to change without notice.

Panasonic®

LOCATION OF CONTROLS AND COMPONENTS



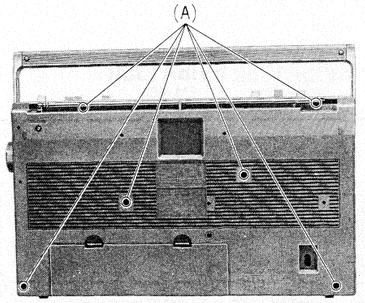




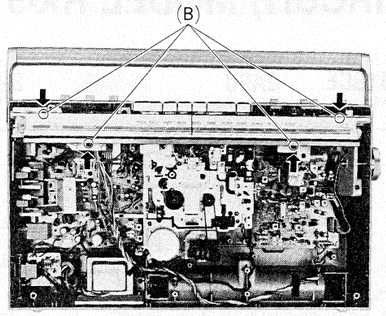
① Cassette Compartment
② Woofers 12cm (5″) PM Dynamic Speakers (3Ω)
③ LED Meter
④ Tweeters 3cm (1 1/4″) Ceramic Speakers (200Ω)
⑤ Built-in Microphones (MIC)
⑥ FM Stereo Indicator (FM STEREO)
⑦ Tape Selector (TAPE)
⑧ Meter Selector (METER)
⑨ Function Selector (RADIO/TAPE/LINE IN)
⑩ Eject Button (▲EJECT)
⑪ Stop Button (■STOP)
⑫ Fast Forward/Cue Button (◀◀ FF/CUE)
⑬ Rewind/Review Button (▶▶ REW/REVIEW)
⑭ Playback Button (◀ PLAY)
⑮ Record Button (○ RECORD)
⑯ Pause Button (❙❙ PAUSE)
⑰ Tone Control (TONE)
⑱ Volume Controls (VOLUME)
⑲ Band Selector (AM/FM/FM STEREO)
⑳ Tuning Control (TUNING)
㉑ Tape Counter and Reset Button (COUNTER)
㉒ Telescopic Antenna
㉓ Battery Compartment
㉔ Voltage Selector (VOLTAGE SELECTOR)
㉕ Beat Proof Switch (BEAT PROOF)
㉖ Microphone Jacks (0.32mV, 200~600Ω)
㉗ External Speaker Jacks (EXT. SP 3~8Ω)
㉘ Headphone Jack (8Ω)
㉙ Line Input Jacks (220mV/47kΩ over)
㉚ Line Output Jacks (0.36V/4.7kΩ under)
㉛ AC Socket (AC IN~)
㉜ DC Input Jack (DC IN 13.2V ⊖ -⊙- ⊕)

[Fig. 1]

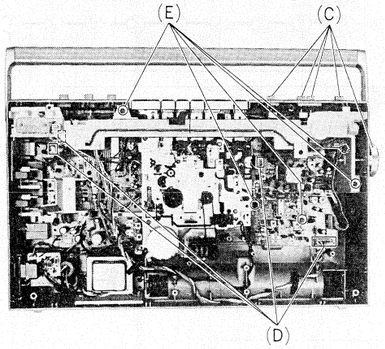
DISASSEMBLY INSTRUCTIONS



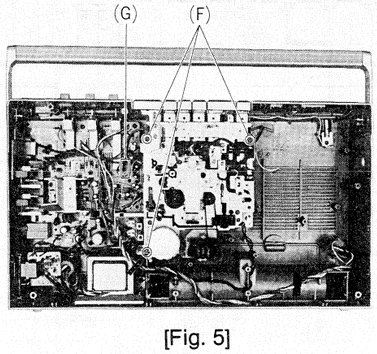
[Fig. 2]



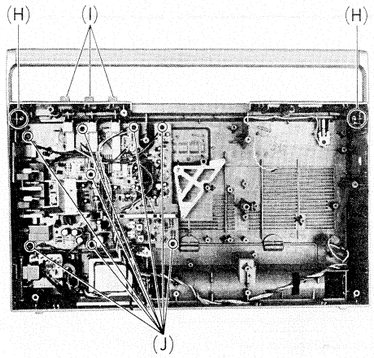
[Fig. 3]



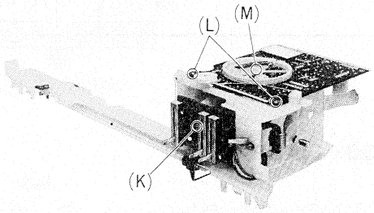
[Fig. 4]



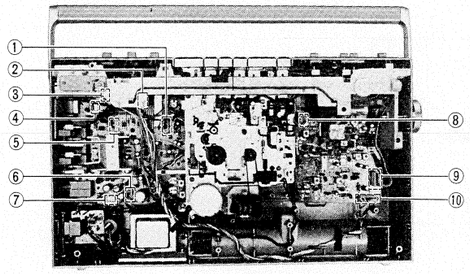
[Fig. 5]



[Fig. 6]

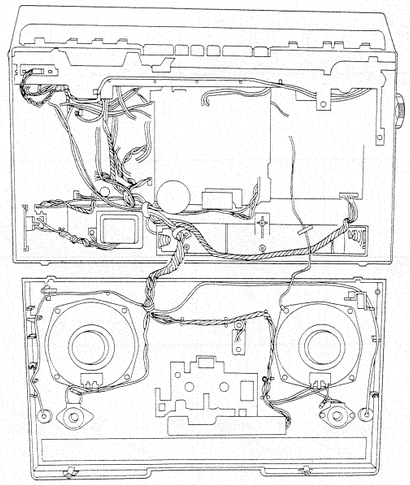


[Fig. 7]



[Fig. 8]

1. R/P head connector
2. LED meter connector
3. FM stereo indicator
4. Built-in microphone connector
5. Volume connector
6. Power supply connector
7. Speaker connector
8. Telescopic antenna connector
9. Band switch connector
10. Audio circuit board connector



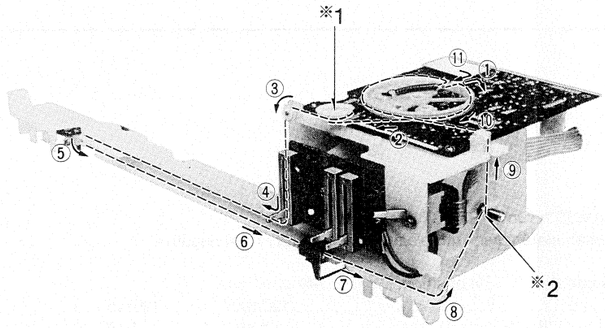
[Fig. 9]

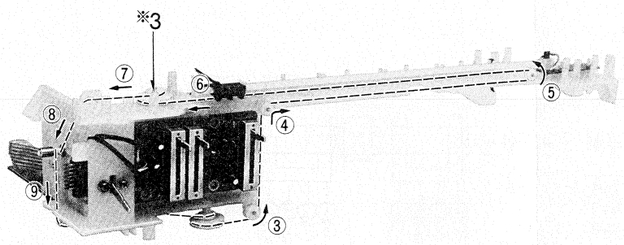
Procedure	To remove —.	Remove —.	Shown in Fig. —.
1	Front cabinet ass'y	Screw (3.5 × 50) ..... (A) × 6	2
2	Dial scale	Push the catch ..... (B) × 4	3
3	Dial chassis and radio circuit board	Knob ..... (C) × 5	4
4		Socket ..... (D) × 4	4
5		Red screw (3 × 12) ..... (E) × 5	4
6	Mechanism	Red screw (3 × 12) ..... (F) × 3	5
7		Socket ..... (G) × 1	5
8	Handle	Handle spring ..... (H) × 2	6
9	Audio circuit board	Knob ..... (I) × 3	6
10		Red screw (3 × 12) ..... (J) × 8	6
11	Volume circuit board	Screw (3 × 10) ..... (K) × 1	7
12	Dial chassis	Screw (3 × 10) ..... (L) × 2	7
13		Screw (2.6 × 8) ..... (M) × 1	7

Note: Please treat the leads as shown in Fig. 9.

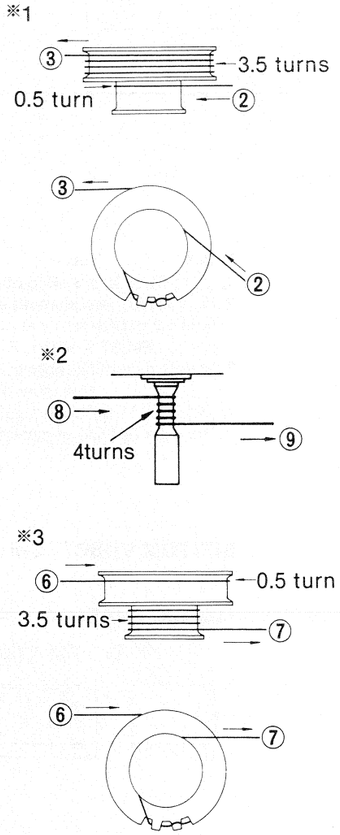
DIAL THREADING

■DIAL CORD LENGTH: 2200mm

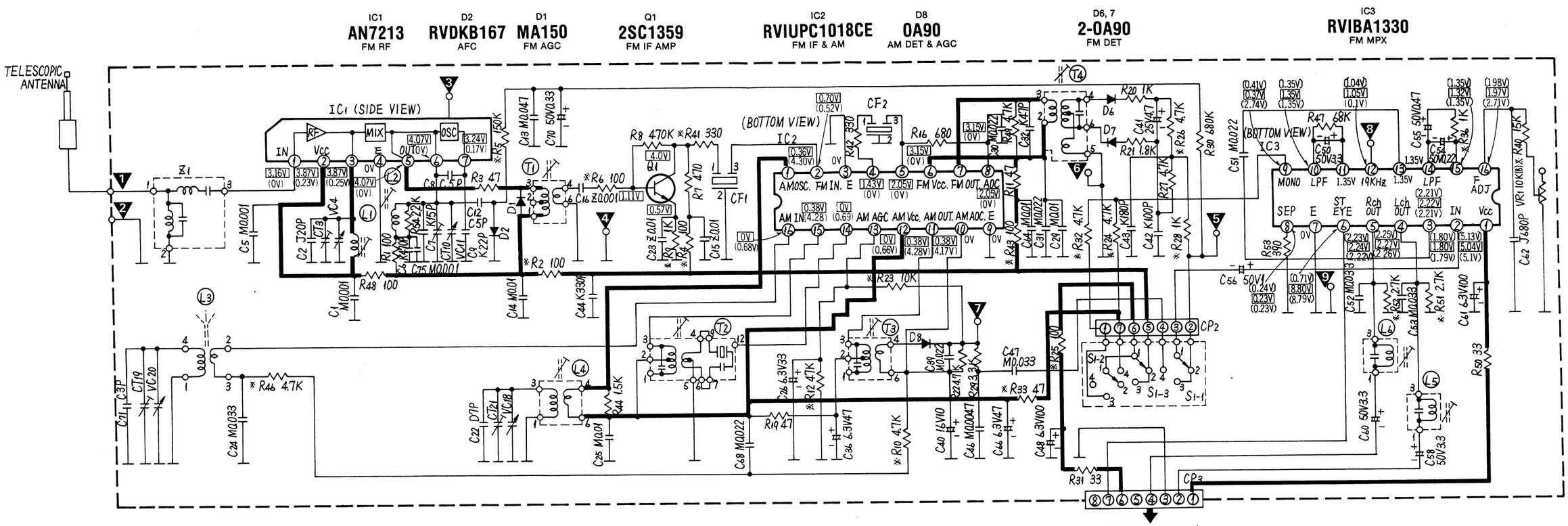




[Fig. 10]



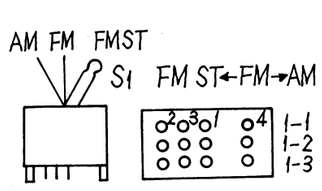
SCHEMATIC DIAGRAM (RADIO CIRCUIT) MODEL RX-5110/©

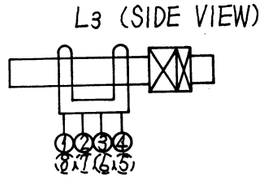


Notes:

1. S1-1~S1-3: Band switch (shown in "FM ST" position).
2. DC voltage measurements are taken with electronics voltmeter from negative terminal of battery.
   [ ]...FM ST position, ▭ ...FM position, ( )...AM position.
3. Battery current No signal 120mA
   Maximum (Radio) 1.4A
4. VR1..... Separation adjustment VR.
5. The mark (※) shows printed resistor.

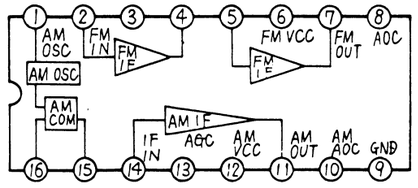
BOTTOM VIEW



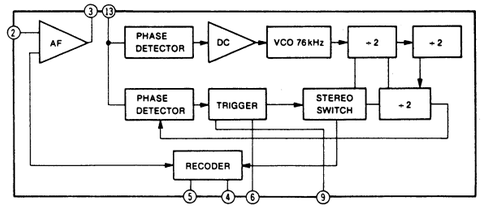


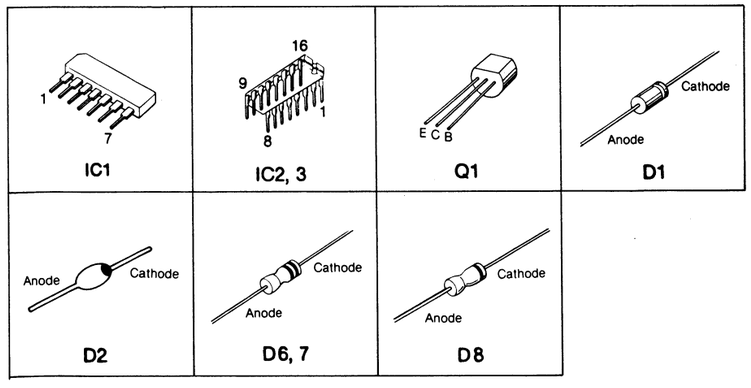
IC BLOCK DIAGRAM

IC2



IC3





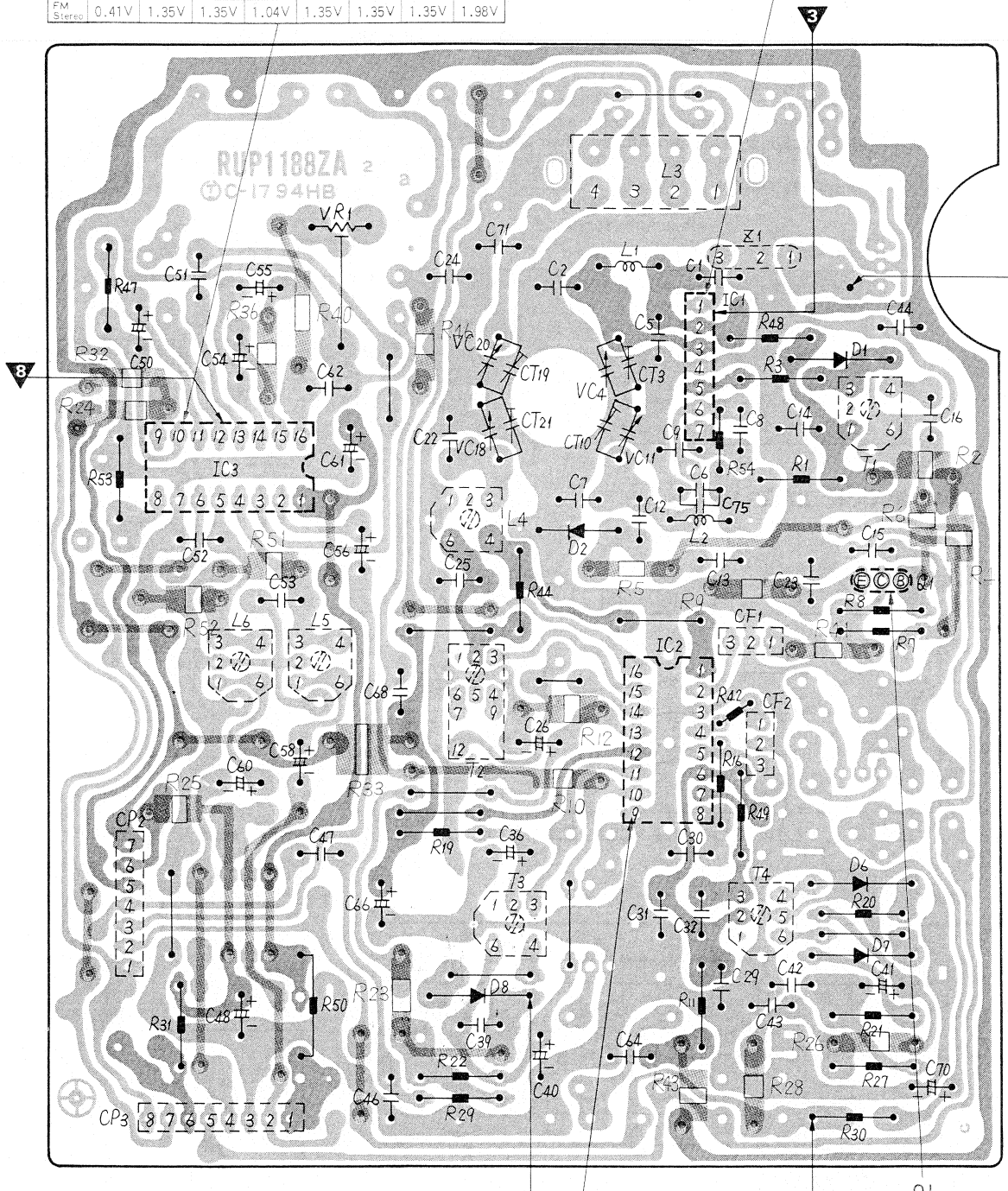
RADIO CIRCUIT BOARD

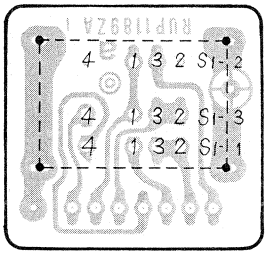
IC3

	1	2	3	4	5	6	7	8
AM	5.1V	1.79V	2.21V	2.26V	2.22V	8.79V	0V	0.23V
FM	5.04V	1.80V	2.22V	2.27V	2.24V	8.80V	0V	0.23V
FM Stereo	5.13V	1.80V	2.21V	2.25V	2.23V	0.71V	0V	0.24V
	9	10	11	12	13	14	15	16
AM	2.74V	1.35V	1.35V	0.1V	1.35V	1.35V	1.35V	2.71V
FM	0.37V	1.35V	1.35V	1.05V	1.35V	1.35V	1.32V	1.97V
FM Stereo	0.41V	1.35V	1.35V	1.04V	1.35V	1.35V	1.35V	1.98V

IC1

	1	2	3	4	5	6	7
AM	0V	0.23V	0.25V	0V	0V	0V	0.17V
FM	3.16V	3.87V	3.87V	0V	4.07V	4.07V	3.24V





IC2

	1	2	3	4	5	6	7	8
AM	4.30V	0.52V	0V	0V	0V	0V	0V	0V
FM	0.36V	0.70V	0V	1.43V	2.05V	3.15V	3.15V	2.05V
	9	10	11	12	13	14	15	16
AM	0V	0V	4.17V	4.28V	0.66V	0.69V	4.28V	0.68V
FM	0V	0V	0.38V	0.38V	0V	0V	0.38V	0V

Q1

	AM	FM
C	0V	4.0V
B	0V	1.11V
E	0V	0.57V

⊕Voltage Line

Printed Resistor

RX-5110/© RX-5110/©

ALIGNMENTS

■ ALIGNMENTS INSTRUCTION

READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT	
1. Set volume control to maximum. 2. Set tone control to treble. 3. Set band switch to AM or FM. 4. Set function selector to radio.	5. Set power source voltage to 12 volts DC. 6. Output of signal generator should be no higher than necessary to obtain an output reading.

■ AM, FM ALIGNMENTS

	SIGNAL GENERATOR or SWEEP GENERATOR CONNECTIONS	FREQUENCY	RADIO DIAL SETTING [DISTANCE]	INDICATOR (VTVM or SCOPE)	ADJUSTMENT	REMARKS
	AM ALIGNMENT					
(1)	Fashion loop of several turns of wire and radiate signal into loop of receiver.	455kHz 30% Mode. with 400Hz.	Point of non-interference. (on/about 600kHz).	Output meter across speaker voice coil.	T2 (1st IFT) T3 (2nd IFT)	Adjust for maximum output.
(2)	〃	550kHz	550kHz [11.1mm ($^{11}/_{32}$")]	〃	L4 (OSC Coil) (*1)L3 (ANT Coil)	Adjust for maximum output. Adjust L3 by moving coil bobbin along ferrite core.
(3)	〃	1500kHz	1500kHz [172.7mm ($6^{25}/_{32}$")]	〃	CT21 (OSC Trimmer) CT19 (ANT Trimmer)	Adjust for maximum output. Repeat steps (2) and (3).
	(*1) Cement antenna bobbin with wax after completing alignment.					
	FM-IF ALIGNMENT					
(4)	Connect to test point ▼ through 0.001μF. Negative side to test point ▼.	10.7MHz (400kHz SWP.)	Point of non-interference. (on/about 90MHz).	Connect vert. amp. of scope to test point ▼. Negative side to test point ▼.	T1 (1st FM IFT) (Primary)	Adjust for maximum amplitude. (Refer to Fig. 14.)
(5)	〃	〃	〃	〃	T4 (1st FM IFT) (Secondary)	Adjust for maximum amplitude. (Refer to Fig. 15.)
	FM-RF ALIGNMENT					
(6)	Connect to test point ▼ through FM dummy antenna. Negative side to test point ▼. (Refer to Fig. 16.)	90MHz	90MHz [24.5mm ($^{31}/_{32}$")]	Output meter across speaker voice coil.	L2 (FM OSC Coil) L1 (FM ANT Coil)	Adjust for maximum output.
(7)	〃	106MHz	106MHz [168.1mm ($6^{5}/_{8}$")]	〃	CT10 (FM OSC Trimmer) CT3 (FM TUNE Trimmer)	Adjust for maximum output. Repeat steps (6) and (7).

■ LED METER ALIGNMENTS

ITEM	ADJUSTMENT	REMARKS
Battery check	VR301	1. Set meter switch to battery position. 2. Playback mode. 3. Supply DC 8.5V through the DC IN jack. 4. Adjust VR301 so that the 2nd LED from right begins to fade away.

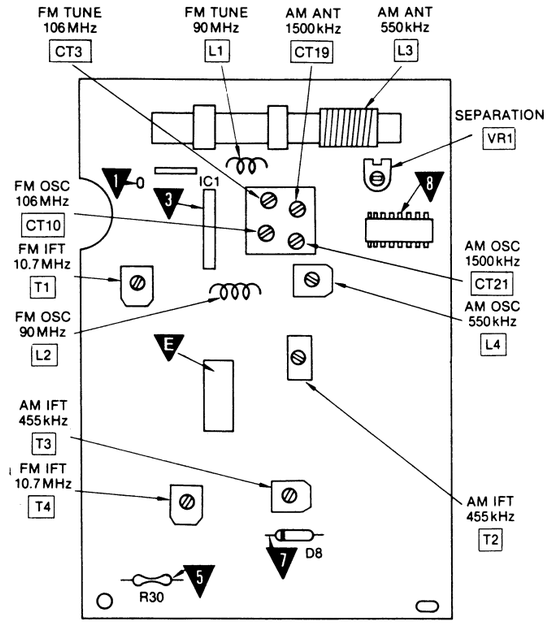
■ SEPARATION ALIGNMENT

ITEM	SIGNAL 98MHz, 60dB SOURCE CONNECTION	EQUIPMENT CONNECTION ELECTRONIC COUNTER	ADJUSTMENT	SPECIFICATION	REMARKS
Adjustment of pilot signal.	—	▼... (+) side ▼... (−) side	VR1	19kHz	Adjust VR1, for 19kHz (±200Hz) reading on electronics counter.

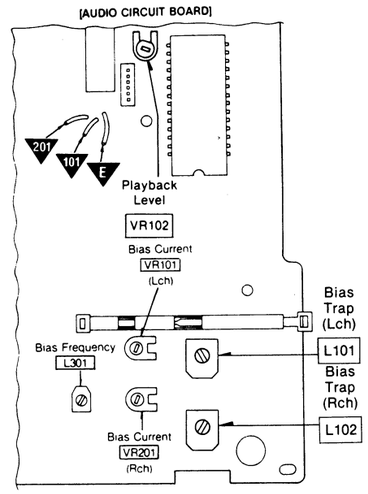
■ AUDIO ADJUSTMENT

ITEM	INPUT	MEASUREMENT POINT	SPECIFICATION	ADJUSTMENT POINT	REMARKS
Bias oscillation frequency	—	101 ▼ E	54kHZ ± 1kHz (Use CrO_2 tape)	L301	Record mode Beat proof→1
Bias current	—	(Lch) 101 ▼ (Rch) 201 ▼ (Earth) E ▼	4 ± 0.2mV (Use CrO_2 tape)	VR101 (Lch) VR201 (Rch)	Record mode
Playback level	QZZCFM (315Hz, 0dB)	Line Out (L)	—	VR102	1. Playback mode. 2. Adjust VR102 for 0 ± 1dB. (0dB = Rch output)
Bias trap	—	(Lch) 101 ▼ (Rch) 201 ▼ (Earth) E ▼	Maximum Output (Use CrO_2 tape)	L101 (Lch) L102 (Rch)	Record mode

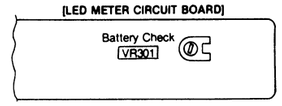
■ ALIGNMENT POINTS



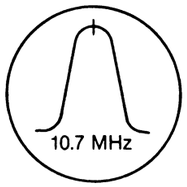
[Fig. 11]



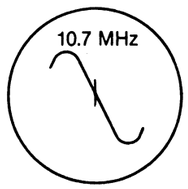
[Fig. 12]



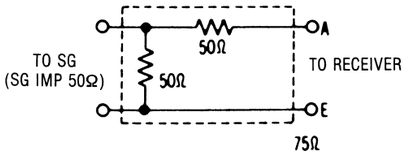
[Fig. 13]



[Fig. 14]

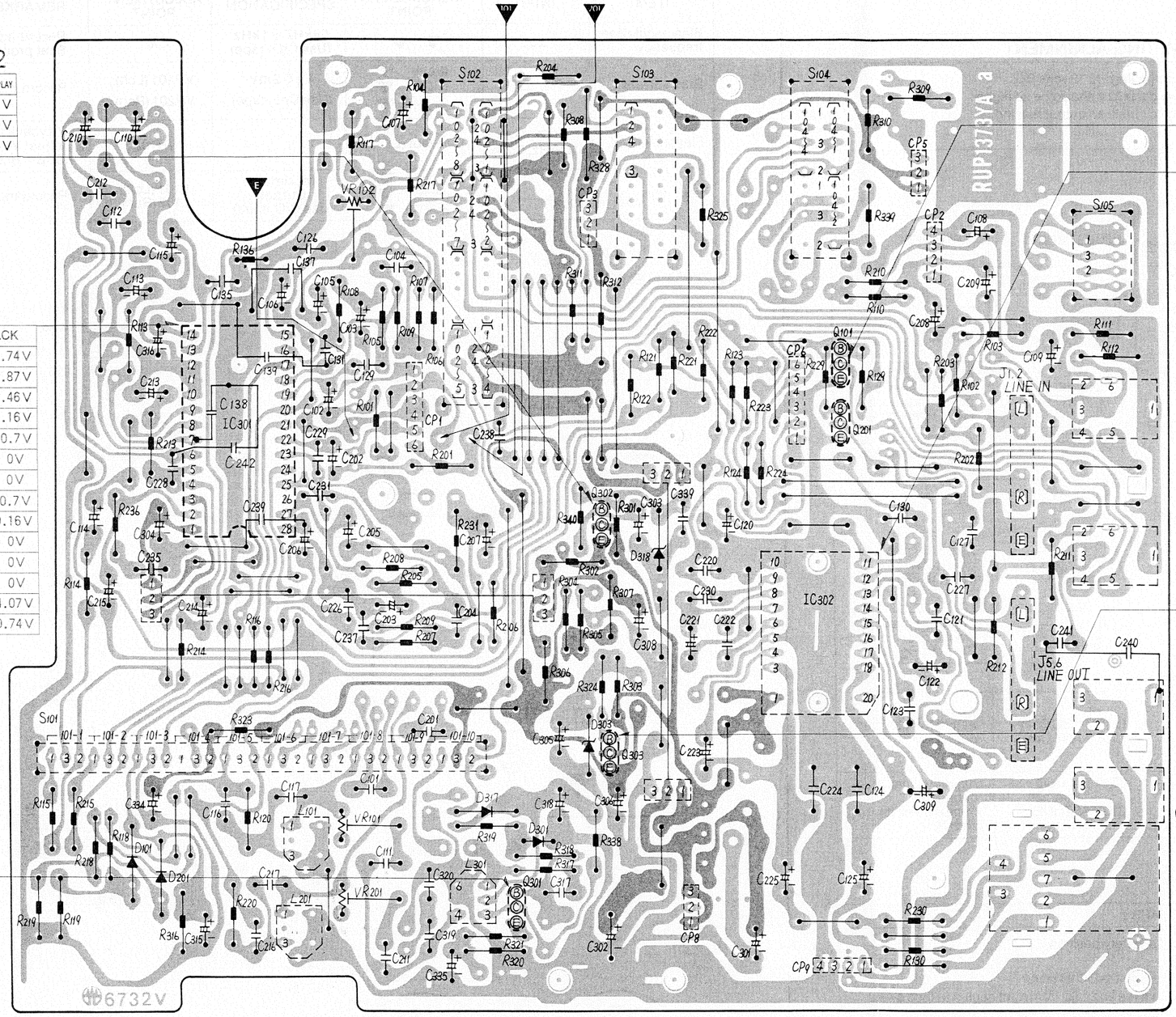


[Fig. 15]



[Fig. 16] FM Dummy Antenna

AUDIO CIRCUIT BOARD



Q302	
	REC & PLAY
C	12.0V
B	9.0V
E	8.34V

IC301			
REC & PLAYBACK			
1	8.1V	15	0.74V
2	4.0V	16	3.87V
3	1.0V	17	1.46V
4	3.9V	18	0.16V
5	0.3V	19	0.7V
6	0.87V	20	0V
7	0.87V	21	0V
8	0.3V	22	0.7V
9	3.98V	23	0.16V
10	0V	24	0V
11	0V	25	0V
12	0V	26	0V
13	3.78V	27	4.07V
14	5.11V	28	0.74V

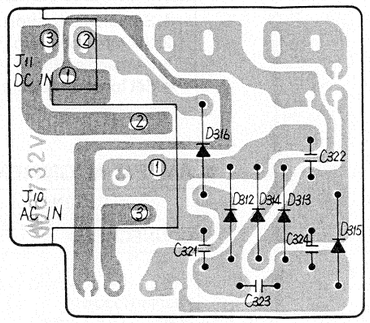
Q101 Q201	
	REC
C	0V
B	0.7V
E	0V
Ie	0mA

IC302			
REC & PLAYBACK			
1	12V	10	3.2V
2	6.4V	11	0.5V
3	0V	12	3.1V
4	11.1V	13	3.2V
5	1.4V	14	1.46V
6	3.1V	15	11.1V
7	3.1V	16	0V
8	2.1V	17	6.44V
9	0V	18	11.79V

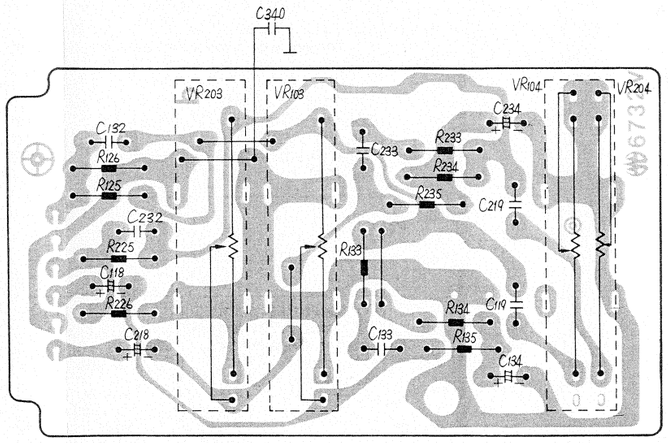
Q303	
	REC & PLAY
C	12.0V
B	7.2V
E	6.56V

Q301	
	REC
C	5.3V
B	0.96V
E	0.43V
Ie	25mA

POWER CIRCUIT BOARD

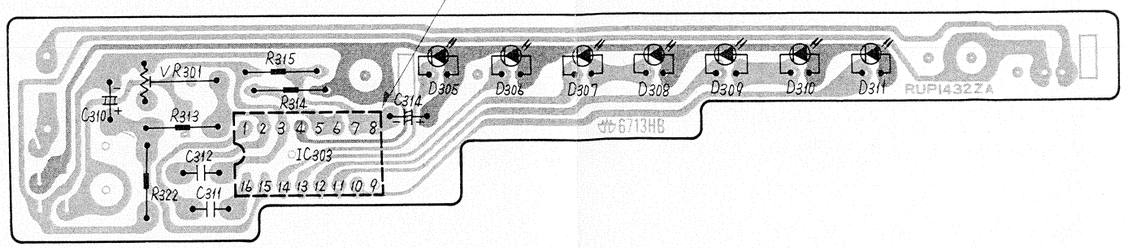


TONE CIRCUIT BOARD



LED METER CIRCUIT BOARD

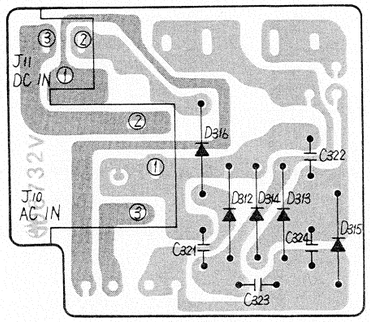
IC303											
BATTERY POSITION											
1	0.65V	2	0.12V	3	0.12V	4	8.95V	5	2.83V	6	2.83V
7	0V	8	0V	9	0.23V	10	7.4V	11	5.82V	12	5.82V
13	7.4V	14	7.4V	15	3.14V	16	3.93V				



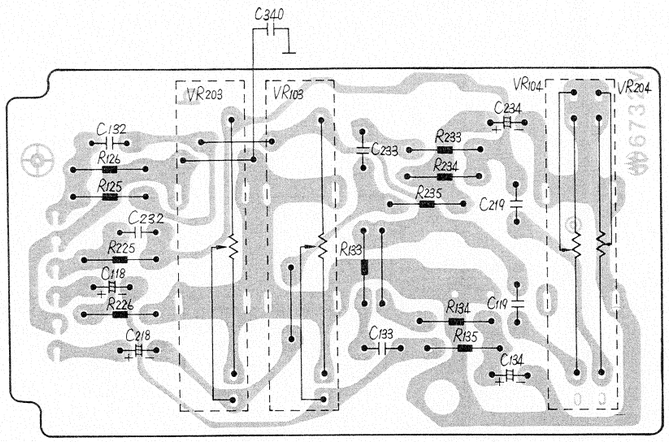
LED (ST. EYE) CIRCUIT BOARD

RX-5110/©
RX-5110/©

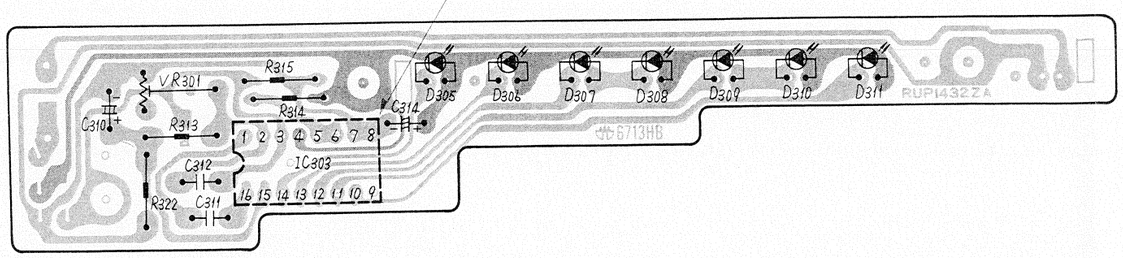
POWER CIRCUIT BOARD

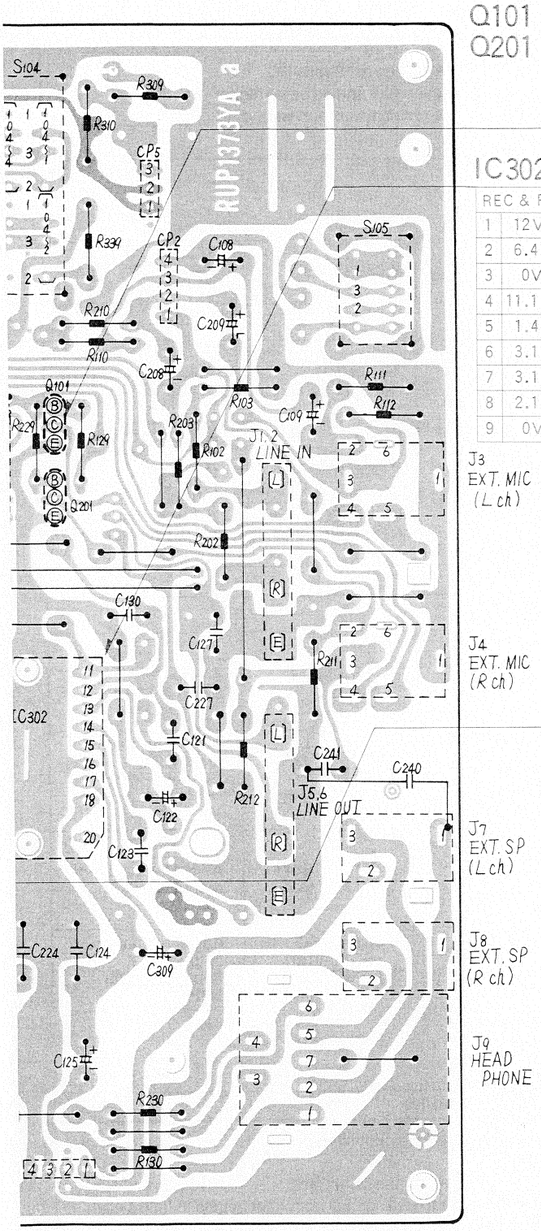


TONE CIRCUIT BOARD



LED METER CIRCUIT BOARD





Q101
Q201

	REC
C	0 V
B	0.7V
E	0 V
Ie	0 mA

IC302

REC & PLAYBACK			
1	12V	10	3.2V
2	6.4V	11	0.5V
3	0V	12	3.1V
4	11.1V	13	3.2V
5	1.4V	14	1.46V
6	3.1V	15	11.1V
7	3.1V	16	0V
8	2.1V	17	6.44V
9	0V	18	11.79V

J3
EXT. MIC
(L ch)

J4
EXT. MIC
(R ch)

Q303

	REC & PLAY
C	12.0V
B	7.2V
E	6.56V

IC303

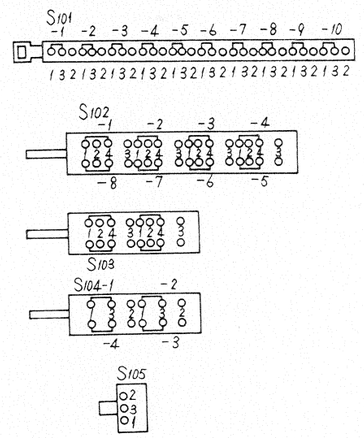
BATTERY POSITION											
1	0.65V	2	0.12V	3	0.12V	4	8.95V	5	2.83V	6	2.83V
7	0V	8	0V	9	0.23V	10	7.4V	11	5.82V	12	5.82V
13	7.4V	14	7.4V	15	3.14V	16	3.93V				

Notes:

1. S101-1~S101-9 . . . . . Record/playback switch (shown in playback position).
2. S102-1~S102-6 . . . . . Function switch (shown in tape position).
   1...TAPE, 2...RADIO, 3...LINE IN
3. S103 . . . . . Meter switch (shown in OFF position).
   1...OFF, 2...BATTERY, 3...LEVEL
4. S104-1~S104-3 . . . . . Tape select switch (shown in normal position).
   1...NORMAL, 2...CrO_2
5. S105 . . . . . Beat proof switch (shown in I position).
   1...I, 2...II
6. S106-1~S106-2 . . . . . Motor ON/OFF switch (shown in OFF position).
7. S108 . . . . . AC/DC select switch (shown in DC position)
8. VR101, 201 . . . . . Bias current adjustment VR.
9. VR102 . . . . . Playback level adjustment VR.
10. VR103, 203 . . . . . Volume control.
11. VR104, 204 . . . . . Tone control.
12. VR301 . . . . . Meter level adjustment VR.
13. The mark (▼) shown test point. e.g. ▼ =Test point 1.
14. DC voltage measurements are taken with electronics voltmeter from negative terminal of battery.
    [ ]...Battery position, Q101, 201, 301...Record position.
15. Battery current: No signal. 120mA
    Maximum (Radio). 1.4A
    Maximum (Tape) 1.04A

Important safety notice
The shaded areas on this schematic diagram incorporates special features important for protection from fire and electrical shock hazards.
When servicing it is essential that only manufacturer's specified parts be used for the critical components in the shaded areas of the schematic.

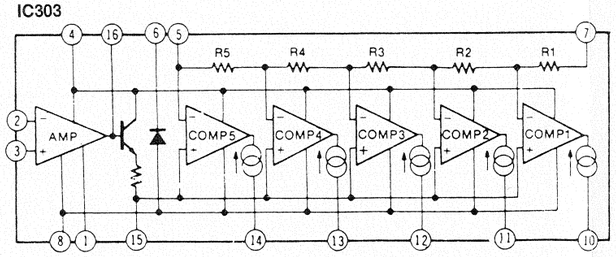
BOTTOM VIEW

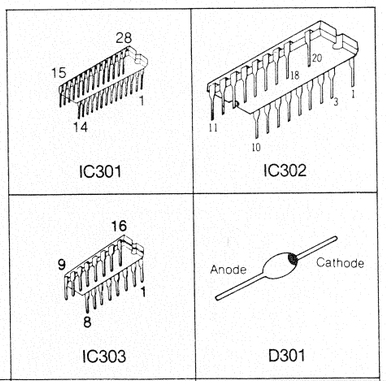


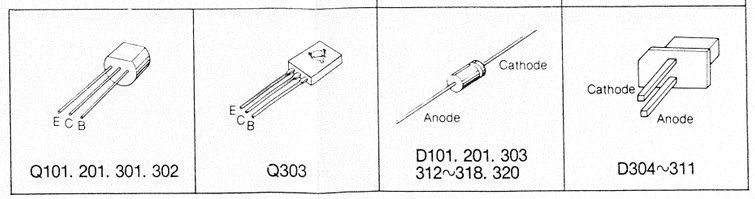
IC BLOCK DIAGRAM

IC302

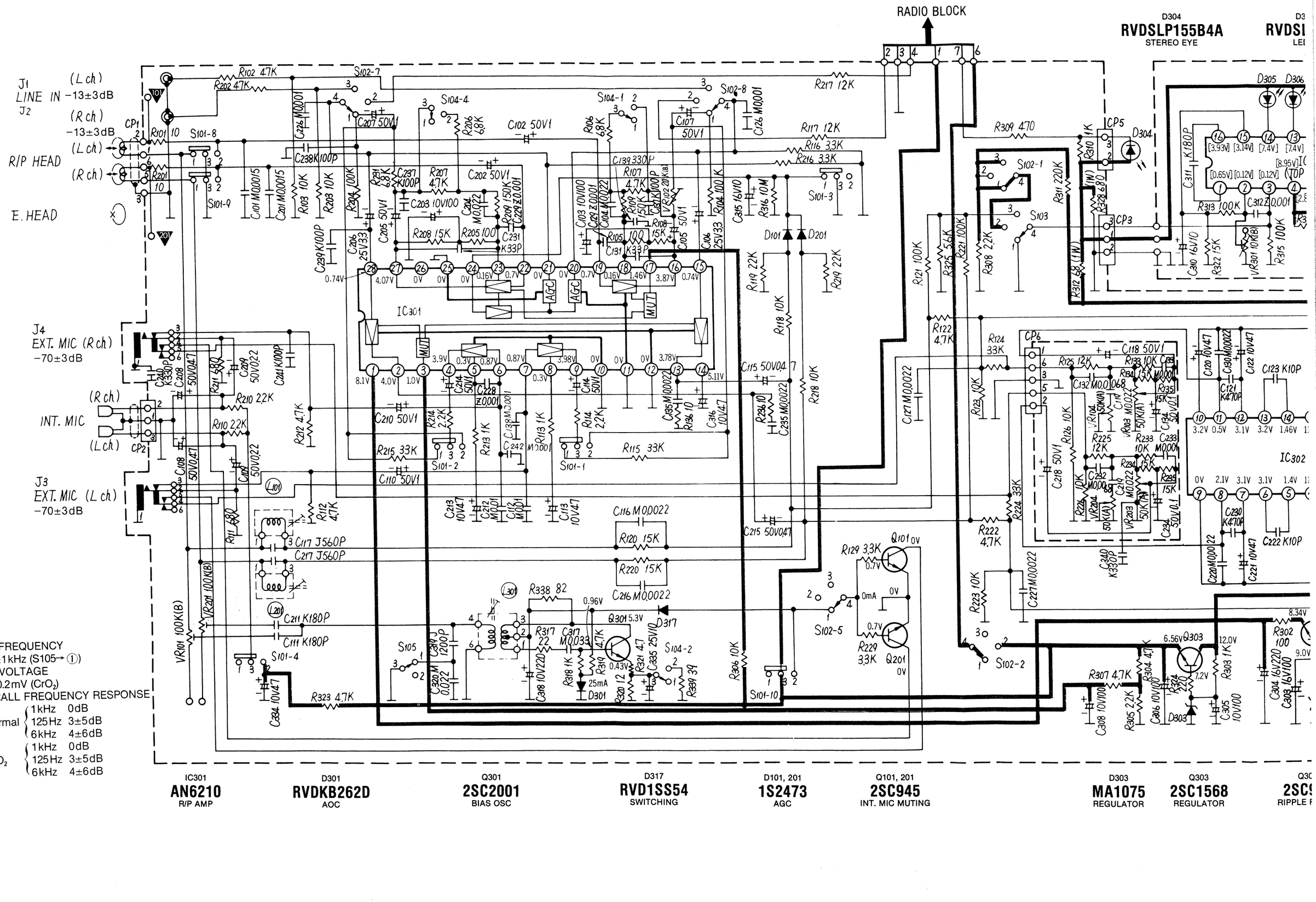
IC303







SCHEMATIC DIAGRAM (AUDIO CIRCUIT) MODEL RX-5110/©



IC301	D301	Q301	D317	D101, 201	Q101, 201	D303	Q303	Q30
AN6210	RVDKB262D	2SC2001	RVD1SS54	1S2473	2SC945	MA1075	2SC1568	2SC9
R/P AMP	AOC	BIAS OSC	SWITCHING	AGC	INT. MIC MUTING	REGULATOR	REGULATOR	RIPPLE F

SCHEMATIC DIAGRAM (AUDIO CIRCUIT) MODEL RX-5110/©

RADIO BLOCK

D304
RVDSLP155B4A
STEREO EYE

D305 ~ 311
RVDSLP155B4A
LED METER

IC303
LB1405
METER DRV.

IC302
RVILA4126
POWER AMP

D316
SM102
PROTECTOR

D312 ~ 315
RVD10E1
RECT

D317
RVD1SS54
SWITCHING

D101, 201
1S2473
AGC

Q101, 201
2SC945
INT. MIC MUTING

D303
MA1075
REGULATOR

Q303
2SC1568
REGULATOR

Q302
2SC945
RIPPLE FILTER

D318
MA1110TA
REGULATOR

WIRING CONNECTION DIAGRAM MODEL RX-5110/©

TONE CIRCUIT BOARD

LED METER CIRCUIT BOARD

ST EYE CIRCUIT BOARD

AUDIO CIRCUIT BOARD

CONDENCER MIC

TELESCOPIC ANTENNA

RADIO CIRCUIT BOARD

RECORD/ PLAYBACK HEAD

S106: MOTOR SWITCH

MOTOR

POWER CIRCUIT BOARD

BATTERIES (12V)

S108 VOLTAGE SELECTOR

T301 POWER TRANSFORMER

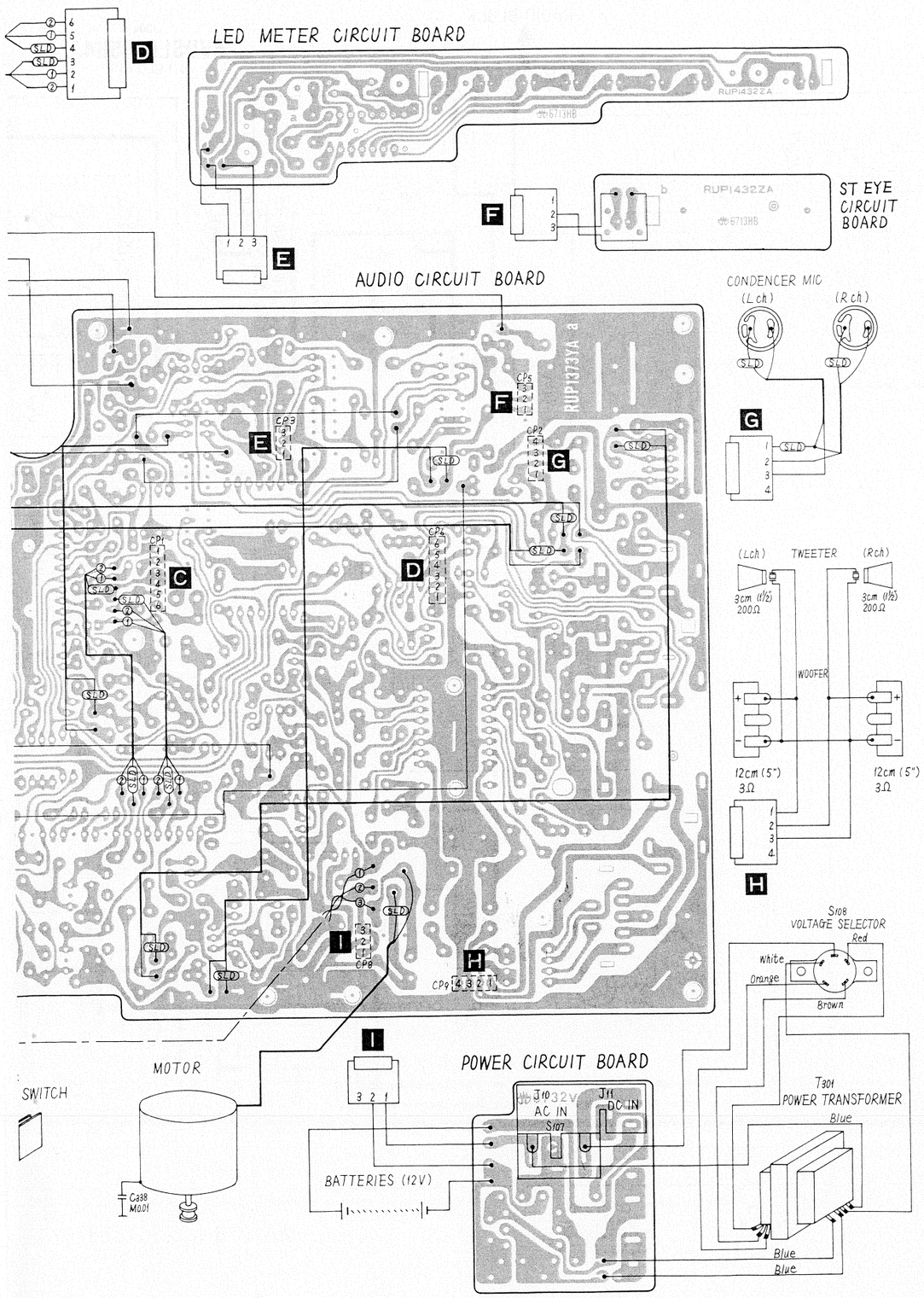
TWEETER

WOOFER

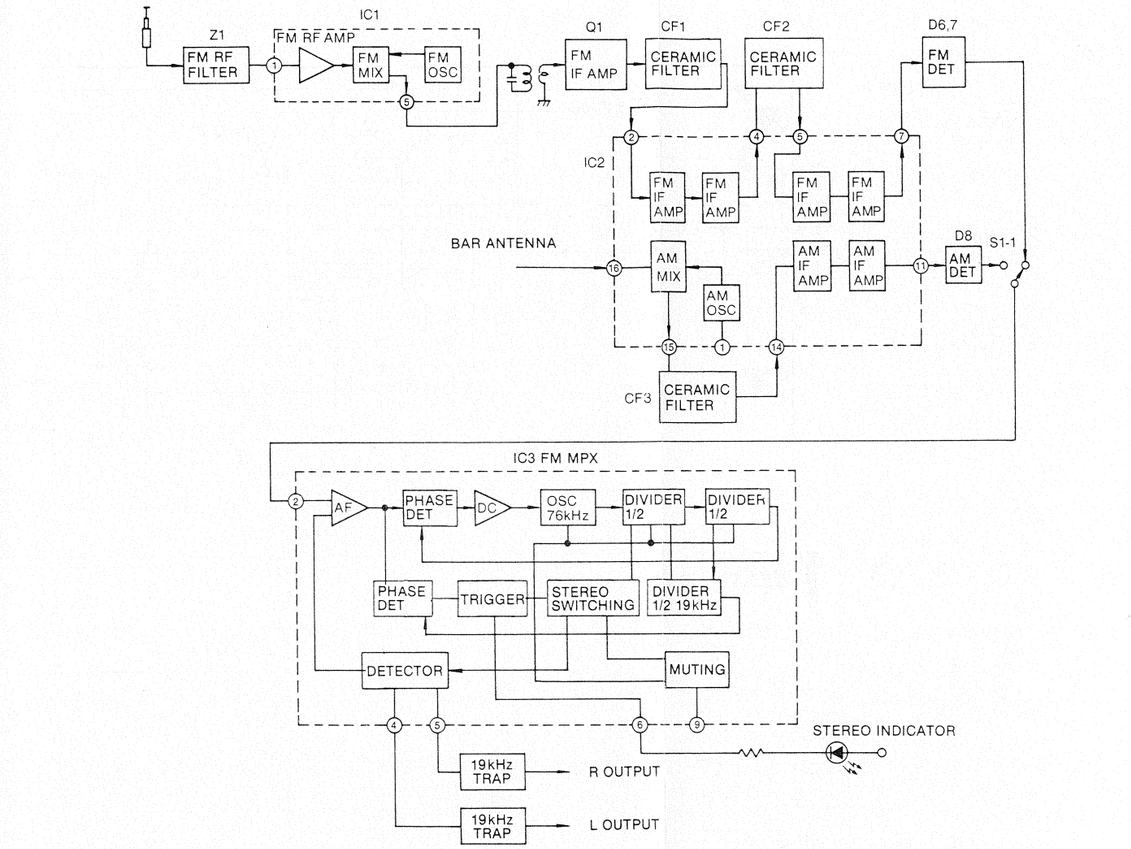
RECORDING CIRCUIT

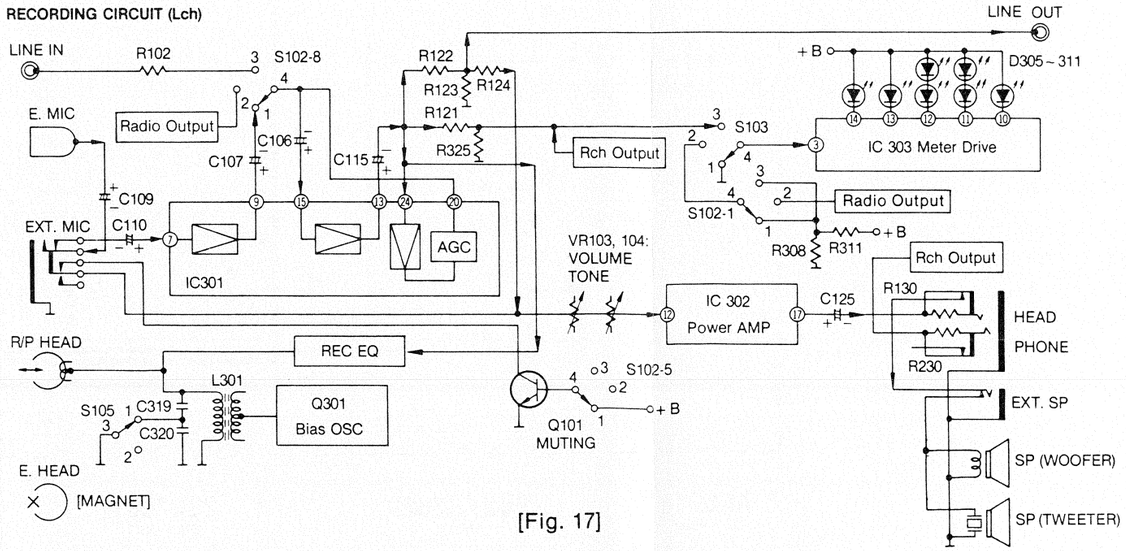
RX-5110/© RX-5110/©

DIAGRAM MODEL RX-5110/©



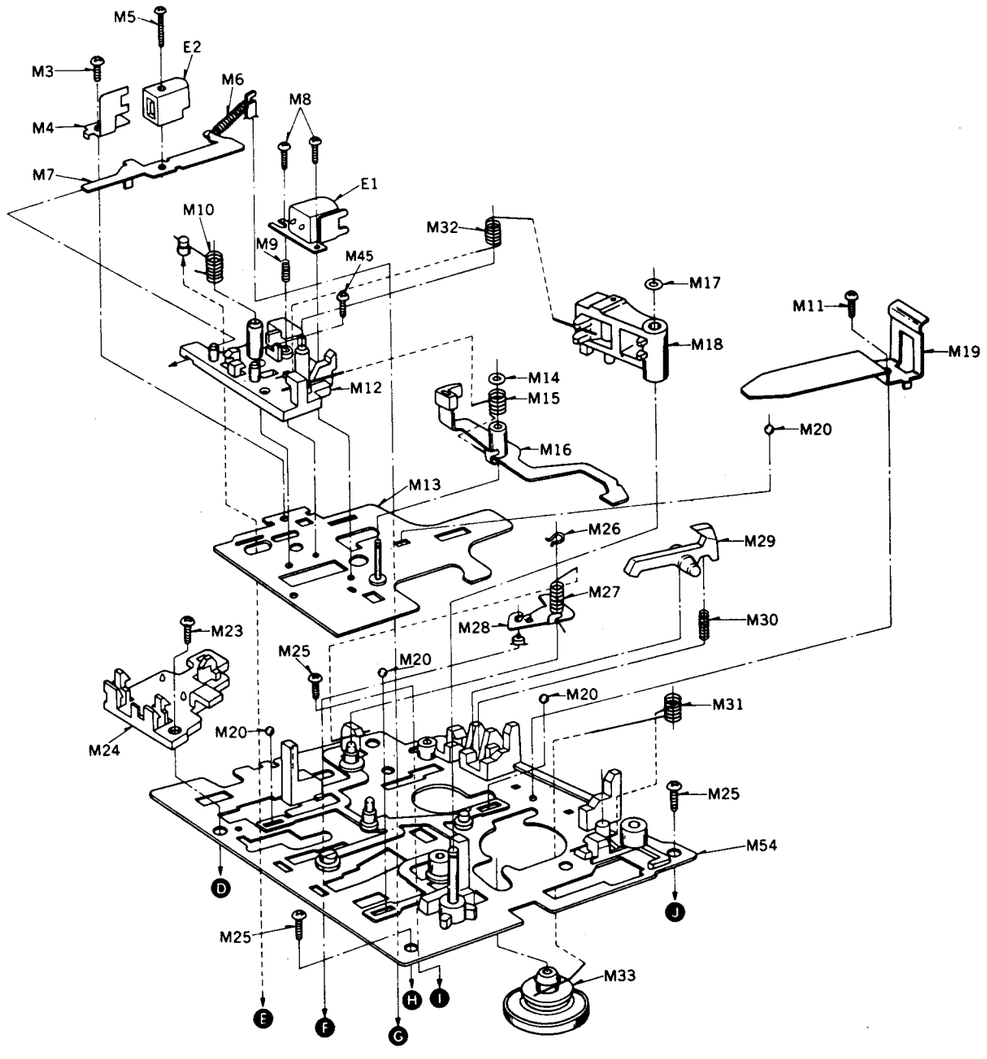
BLOCK DIAGRAM





[Fig. 17]

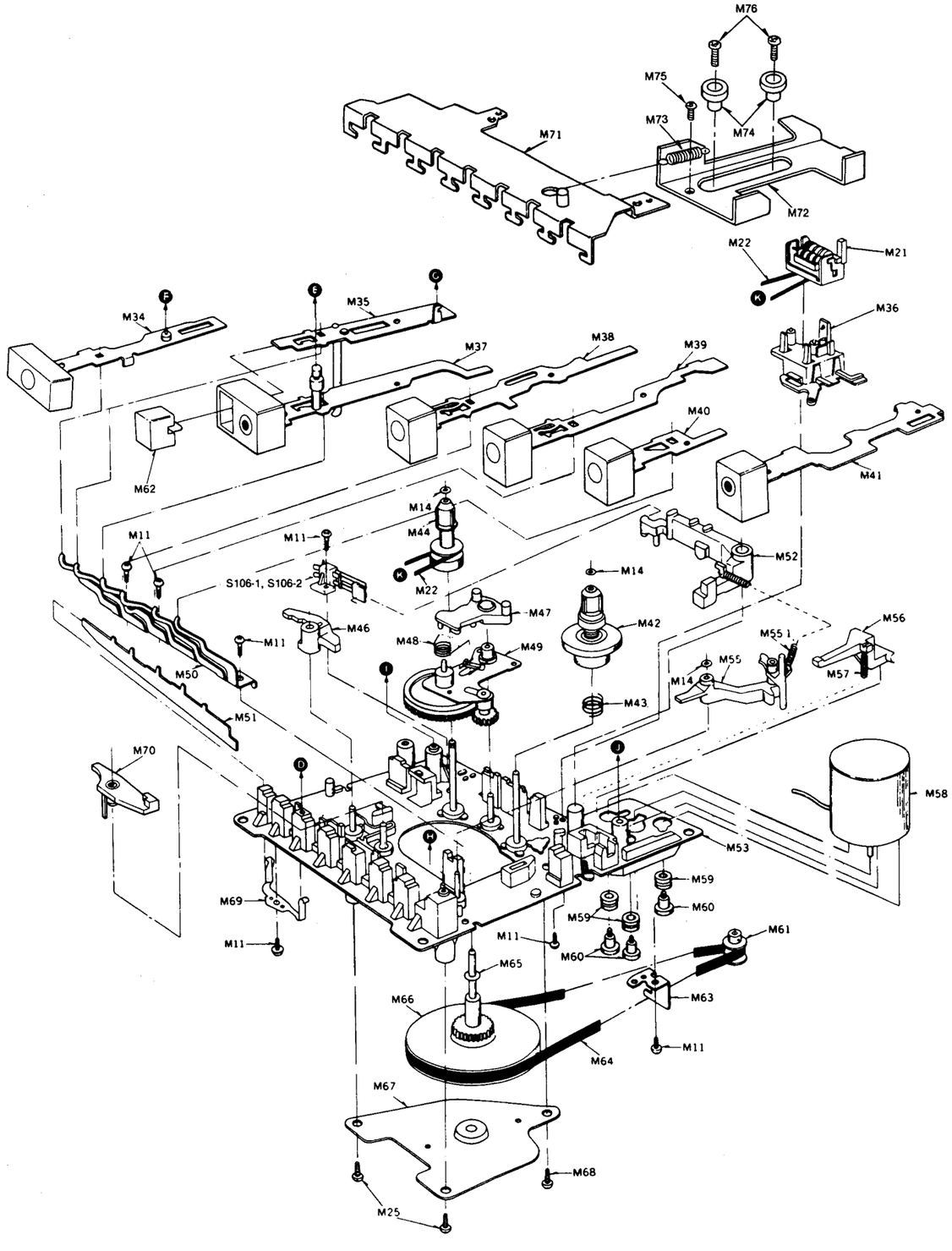
EXPLODED VIEWS



[Fig. 18]

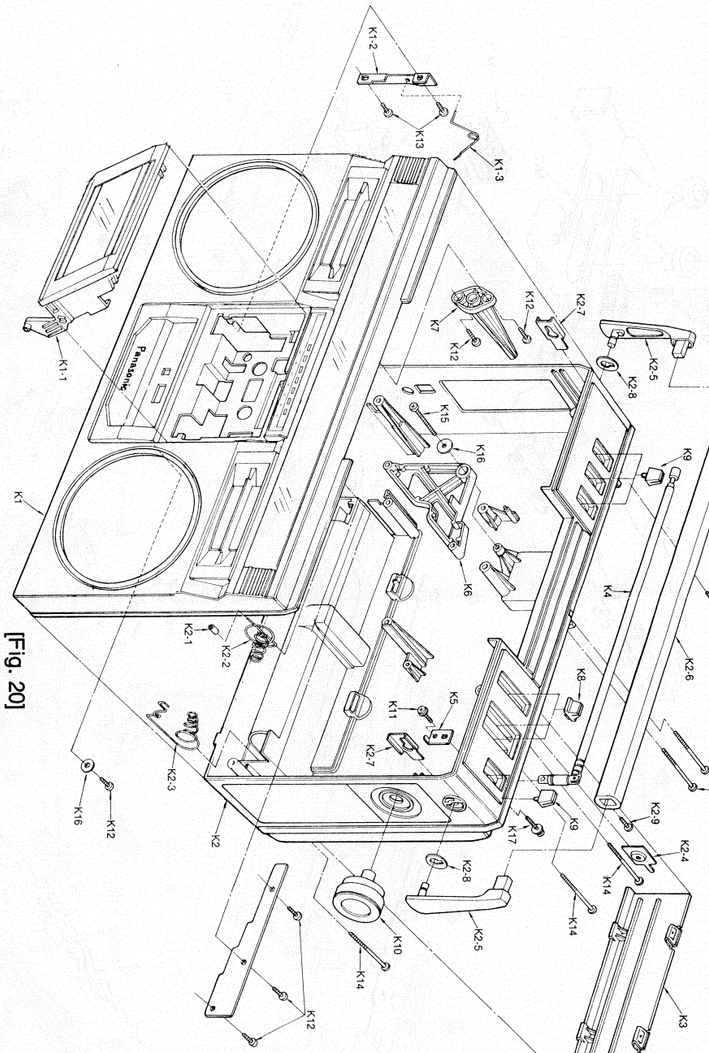
Specification

Pressure of pressure roller	400±60gr
Takeup tension	50±20gr
Tension of detect piece	65±10gr
Wow & flutter	Less than 0.4% (RMS)
Tape speed fluctuation	±3%



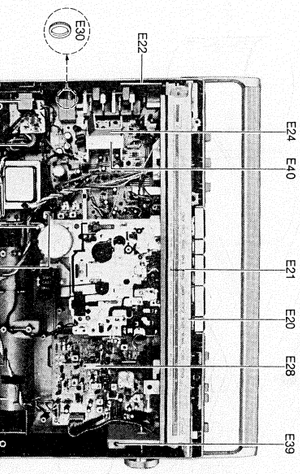
[Fig. 19]

CABINET PARTS

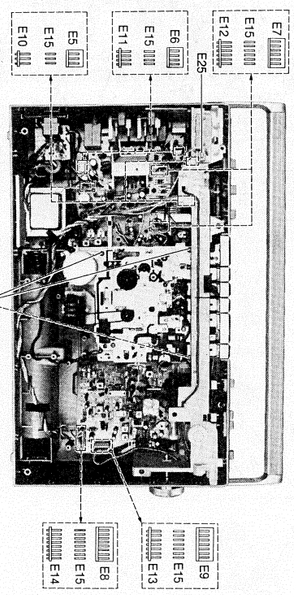


[Fig. 20]

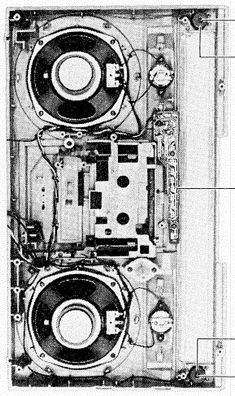
ELECTRICAL PARTS



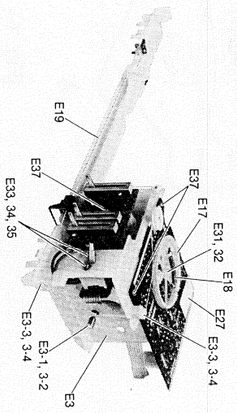
[Fig. 21]



[Fig. 22]



[Fig. 23]



[Fig. 24]

■REPLACEMENT PARTS LIST .....Model RX-5110/©

(RD81035189C1)

NOTES: 1. Important safety notice.
Components identified by ⚠ mark have special characteristics important for safety.
When replacing any of these components, use only manufacturer's specified parts.
2. The S mark indicates service standard parts and may differ from production parts.

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
		MECHANICAL PARTS		
M3	XSN26+3	Screw, + 2.6x3	1	
M4	QMG0009	Tape Guide	1	
M5	XSN26+12	Screw, + 2.6x12	1	
M6	QBT1813	Spring, Erase Head Rod	1	
M7	QMR1474	Rod, Erase Head	1	
M8	XSN2+8	Screw, + 2x8	2	S
M9	QBC1278	Spring, Head Adjustment	1	
M10	QBN1481	Spring, Playback	1	
M11	XTN26+6B	Screw, + 2.6x6	8	S
M12	QMZ1166	Spacer, Head	1	
M13	QXK1681	Head Base Plate Ass'y	1	
M14	QBW2008	Washer	4	
M15	QBN1478	Spring, Auto-Stop Detector	1	
M16	QXL0982	Auto-Stop Detector Ass'y	1	
M17	QBW2046	Washer	1	
M18	QXL0979	Pressure Roller Ass'y	1	
M19	QBP1659	Head Base Pressure Plate	1	
M20	QDK1017	Steel Ball	4	
M21	QDC0103	Counter	1	
M22	QDB0218	Counter Belt	1	
M23	XTN3+12B	Screw, + 3x12	1	S
M24	QMZ1167	Counter Table	1	
M25	XTN3+10B	Screw, + 3x10	5	S
M26	XUB4FT	Circlip	1	S
M27	QBN1480	Spring, Pause Lock	1	
M28	QML2898	Pause Lock Plate	1	
M29	QML2900	Lever, Erase Safety	1	
M30	QBC1193	Spring, Erase Safety Lever	1	
M31	QBN1479	Spring, Idler	1	
M32	QBN1488	Spring, Pressure Roller	1	
M33	QXI0088	Idler Lever Ass'y	1	
M34	QXR0535	Pause Rod Ass'y	1	
M35	QXR0536	Record Rod Ass'y	1	
M36	QMZ1217	Counter Table	1	
M37	QXR0531	Playback Rod Ass'y	1	
M38	QXR0533	Rewind Rod Ass'y	1	
M39	QXR0532	Fast Forward Rod Ass'y	1	
M40	QXR0530	Stop Rod Ass'y	1	
M41	QXR0534	Eject Rod Ass'y	1	
M42	QXD0054	Takeup Reel Table Ass'y	1	
M43	QBC1279	Spring, Back Tension	1	
M44	QDR1118	Supply Reel Table	1	
M45	XSN26+6	Screw, + 2.6x6	1	S
M46	QML2904	Pause Lever	1	
M47	QML3440	Fast Forward Operation Lever	1	
M48	QBN1477	Spring, Fast Forward Arm	1	
M49	QXG1023	Fast Forward Gear Arm Ass'y	1	
M50	QBP1664	Spring, Operation Rod	1	
M51	QMR1638	Lock Rod	1	
M52	QML2905	Switch Arm	1	
M53	QXK1667	Lower Base Plate Ass'y	1	
M54	QXK1668	Upper Base Plate Ass'y	1	
M55	QXL0980	Auto-Stop Drive Lever Ass'y	1	
M55-1	QBT1489	Spring, Auto-Stop Drive Lever	1	
M56	QML2902	Eject Arm	1	
M57	QBT1773	Spring, Eject Arm	1	
M58	MHT5ST2AX	Motor	1	
M59	QBG1539	Motor Cushion	3	
M60	QHQ1223	Screw, Motor M'tg	3	
M61	QXP0513	Motor Pulley Ass'y	1	
M62	QGO1564	Record Button	1	
M63	QMA2676	Belt Guide	1	
M64	QDB0219	Motor Belt	1	
M65	QBW2049	Washer	1	
M66	QXF0113	Flywheel	1	
M67	QXH0218	Flywheel Retainer	1	
M68	XTN3+16B	Screw, + 3x16	1	S
M69	QBP1778	Spring, Lock Rod	1	
M70	QML2945	Cue Lever	1	
M71	QXZ0069	Operation Rod Guide	1	
M72	RUB205Z	Bracket, Eject	1	
M73	RDS3120A	Spring, Eject	1	
M74	RHM32A	Coller, Eject	2	
M75	RHE5036Z	Screw	1	
M76	XTN3+6F	Screw	2	
		INTEGRATED CIRCUITS, TRANSISTORS AND DIODES		
IC1	AN7213	IC	1	
IC2	RVIUPC1018CE	IC	1	
IC3	RVIBA1330	IC	1	
IC301	AN6210	IC	1	
IC302	RVILA4126	IC	1	
IC303	LB1405	IC	1	
Q1	2SC1359B	Transistor (Si)	1	
Q101,201,302	2SC945-Q	Transistor (Si)	3	S
Q301	2SC2001	Transistor (Si)	1	S
Q303	2SC1568-S	Transistor (Si)	1	S
D1,101,201	MA161	Diode (Si)	3	S
D2	MA27C	Diode (Si)	1	S
D6,7,8	2OA90	Diode (Ge)	3	S
D301	RVDKB262D	Diode (Si)	1	
D303	RVDRD7R5FB	Diode (Si)	1	S
D304∿311	RVDSLP155B4A	LED, Meter, ST Eye	8	
D312∿315,317	SM112	Diode (Si)	5	S ⚠
D316	SM112	Diode (Si)	1	S
D318	MA1110TA	Diode (Si)	1	

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
		COILS AND TRANSFORMERS		
L1	RLD4Y44	Tuning Coil, FM	1	
L2	RLD4Y43	Oscillator Coil, FM	1	
L3	RLF2V53	Antenna Coil, AM	1	
L4	RLO2M18	Oscillator Coil, AM	1	
L5,6	QLM1M2	Trap Coil	2	
L101,201	QLQM1531	Coil, Bias Trap	2	
L301	QLB0174	Oscillator Coil, Bias	1	
T1	RLI4M101	IFT, FM	1	S
T2	RLI7W105	IFT, AM	1	
T3	RLI2M402	IFT, AM	1	S
T4	RLI4M511	IFT, FM	1	
T301	RLT5L330A	Power Transformer for USA	1	⚠
T301	RLT5L4C1A	Power Transformer for Canada	1	⚠
		VARIABLE RESISTORS		
VR1	EVLS3AA00B14	Preset, 10kΩ (B)	1	S
VR101,201	EVNM4AA00B15	" 100kΩ (B)	2	S
VR102	RVNAA24B1	" 20kΩ (B)	1	
VR103,203	EVAV28D15A54	Variable Resistor, 50kΩ (A)	2	
VR104,204	EVBV29D15A54	"	2	
VR301	EVNAA14B1	Preset, 10kΩ (B)	1	
		VARIABLE CAPACITOR		
VC4,11,18,20	RCV4FC2V1K	Tuning Capacitor, w/Trimmer Capacitor (CT3, 10, 21, 19)	1	
		CERAMIC FILTER		
CF1,2	RVFSFE107MAZ	Ceramic Filter	2	
		COMPONENT COMBINATION		
Z1	RXABPMB3	Component Combination	1	
		SPEAKERS		
	EAS12P126SM	Speaker, 12cm (4-23/32"), 3Ω Woofer	2	
	EAS3FP03A	Speaker, 3cm (1-1/2"), 200Ω Tweeter	2	
		SWITCHES		
S1	RST3C01Z	Switch, Band	1	
S101	RSH2J01Z	" Recording/Playback	1	
S102	RST3H09Z	" Function	1	
S103	RST3B13Z	" Meter	1	
S104	RST2D11Z	" Tape	1	
S105	RSS2A06Z	" Beat Proof	1	
S106	QSB0186	" Motor	1	
S107	Refer to J10, 11	" AC/DC	1	⚠
S108	RSR4A01W	" Voltage Selector	1	⚠
		JACKS		
J1,2,5,6	RJF1074Z	Jack, LINE IN/OUT	4	
J3,4	RJJ1D2Z	" MIC IN	2	
J7,8	RJJ87Y	" EXT SP	2	
J9	RJJ1E2Z	Jack, Headphones	1	
J10,11	QJS0328	" AC/DC IN	2	⚠
		RESISTORS (Value is in OHMS)		
R1	ERD25FJ101	100 1/4W Carbon	1	S
R3	ERD25FJ470	47 " "	1	S
R7	ERD25FJ471	470 " "	1	S
R8	ERD25TJ474	470 k " "	1	S
R11	ERD25FJ470	47 " "	1	S
R16	ERD25FJ681	680 " "	1	S
R19	ERD25FJ470	47 " "	1	S
R20	ERD25FJ102	1 k " "	1	S
R21	ERD25FJ182	1.8 k " "	1	S
R22	ERD25FJ472	4.7 k " "	1	S
R27	ERD25FJ472	4.7 k " "	1	S
R29	ERD25FJ332	3.3 k " "	1	S
R30	ERD25TJ684	680 k " "	1	S
R31	ERD25FJ330	33 " "	1	S
R42	ERD25FJ331	330 " "	1	S
R44	ERD25FJ152	1.5 k " "	1	S
R47	ERD25TJ683	68 k " "	1	S
R48	ERD25FJ101	100 " "	1	S
R49	ERD25FJ472	4.7 k " "	1	S
R50	ERG12ANJ330	33 1/2W Metal Oxide	1	S ⚠
R53	ERD25FJ391	390 1/4W Carbon	1	S
R54	ERD25FJ222	2.2 k " "	1	S
R101	ERD25FJ100	10 " "	1	S
R102	ERD25FJ473	47 k " "	1	S
R103	ERD25FJ103	10 k " "	1	S
R104	ERD25TJ104	100 k " "	1	S
R105	ERD25FJ101	100 " "	1	S
R106	ERD25FJ682	6.8 k " "	1	S
R107	ERD25FJ472	4.7 k " "	1	S
R108	ERD25FJ153	15 k " "	1	S
R109	ERD25TJ154	150 k " "	1	S
R110	ERD25FJ222	2.2 k " "	1	S
R111	ERD25FJ681	680 " "	1	S
R112	ERD25FJ472	4.7 k " "	1	S
R113	ERD25FJ102	1 k " "	1	S
R114	ERD25FJ222	2.2 k " "	1	S
R115	ERD25FJ333	33 k " "	1	S
R116	ERD25FJ332	3.3 k " "	1	S
R117	ERD25FJ123	12 k " "	1	S
R118	ERD25FJ103	10 k " "	1	S
R119	ERD25FJ223	22 k " "	1	S
R120	ERD25FJ153	15 k " "	1	S
R121	ERD25TJ104	100 k " "	1	S
R122	ERD25FJ472	4.7 k " "	1	S
R123	ERD25FJ103	10 k " "	1	S
R124	ERD25FJ333	33 k " "	1	S
R125	ERD25FJ123	12 k " "	1	S
R126	ERD25FJ103	10 k " "	1	S
R129	ERD25FJ332	3.3 k " "	1	S
R130	ERD25FJ221	220 " "	1	S
R133	ERD25FJ103	10 k " "	1	S
R134,135	ERD25FJ153	15 k " "	2	S

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
R136	ERD25FJ100	10 1/4W Carbon	1	S
R201	ERD25FJ100	10 " "	1	S
R202	ERD25FJ473	47 k " "	1	S
R203	ERD25FJ103	10 k " "	1	S
R204	ERD25TJ104	100 k " "	1	S
R205	ERD25FJ101	100 " "	1	S
R206	ERD25FJ682	6.8 k " "	1	S
R207	ERD25FJ472	4.7 k " "	1	S
R208	ERD25FJ153	15 k " "	1	S
R209	ERD25TJ154	150 k " "	1	S
R210	ERD25FJ222	2.2 k " "	1	S
R211	ERD25FJ681	680 " "	1	S
R212	ERD25FJ472	4.7 k " "	1	S
R213	ERD25FJ102	1 k " "	1	S
R214	ERD25FJ222	2.2 k " "	1	S
R215	ERD25FJ333	33 k " "	1	S
R216	ERD25FJ332	3.3 k " "	1	S
R217	ERD25FJ123	12 k " "	1	S
R218	ERD25FJ103	10 k " "	1	S
R219	ERD25FJ223	22 k " "	1	S
R220	ERD25FJ153	15 k " "	1	S
R221	ERD25TJ104	100 k " "	1	S
R222	ERD25FJ472	4.7 k " "	1	S
R223	ERD25FJ103	10 k " "	1	S
R224	ERD25FJ333	33 k " "	1	S
R225	ERD25FJ123	12 k " "	1	S
R226	ERD25FJ103	10 k " "	1	S
R229	ERD25FJ332	3.3 k " "	1	S
R230	ERD25FJ221	220 " "	1	S
R231	ERD25FJ682	6.8 k " "	1	S
R233	ERD25FJ103	10 k " "	1	S
R234,235	ERD25FJ153	15 k " "	2	S
R236	ERD25FJ100	10 " "	1	S
R301	ERD25FJ331	330 " "	1	S
R302	ERD25FJ101	100 " "	1	S ⚠
R303	ERD25FJ102	1 k " "	1	S
R304	ERD25FJ472	4.7 k " "	1	S
R305	ERD25FJ222	2.2 k " "	1	S
R306	ERD25FJ103	10 k " "	1	S
R307	ERD25FJ472	4.7 k " "	1	S
R308	ERD25FJ222	2.2 k " "	1	S
R309	ERD25FJ471	470 " "	1	S
R310	ERD25FJ102	1 k " "	1	S
R311	ERD25TJ224	220 k " "	1	S
R312	ERG1ANJP680	68 1W "	1	S
R313	ERD25TJ104	100 k 1/4W "	1	S
R314	ERD25FJ102	1 k " "	1	S
R315	ERD25TJ104	100 k " "	1	S
R316	ERC14GK106	10 M " Solid	1	S
R317	ERD25FJ220	22 " Carbon	1	S
R318	ERD25FJ102	1 k " "	1	S
R319	ERD25FJ472	4.7 k " "	1	S
R320	ERD25FJ120	12 " "	1	S
R321	ERD25FJ4R7	4.7 " "	1	S
R322	ERD25FJ153	15 k " "	1	S
R323	ERD25FJ472	4.7 k " "	1	S

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
R324	ERD25FJ221	220 1/4W Carbon	1	S
R325	ERD25FJ562	5.6 k " "	1	S
R328	ERG1ANJP681	680 1W Metal Oxide	1	S
R338	ERD25FJ820	82 1/4W Carbon	1	S
R339	ERD25FJ390	39 " "	1	S
R340	ERD25FJ331	330 " "	1	S
		CAPACITORS (Value is in MICRO FARADS except P.P=PICO FARADS)		
C1	ECKD1H102MD	0.001 50V Ceramic	1	
C2	ECCD1H200JC	20 P " "	1	
C5	ECKD1H102MD	0.001 " "	1	
C6	ECCD1H471KB	470 P " "	1	
C7	ECCD1H150KC	15 P " "	1	
C8	ECCD1H050CC	5 P " "	1	
C9	ECCD1H220KC	22 P " "	1	
C12	ECCD1H050CC	5 P " "	1	
C13	ECFVD473MD	0.047 25V Semi-Conductor	1	
C14	ECKD1H103MD	0.01 50V Ceramic	1	
C15	ECKD1H103ZF	0.01 " "	1	
C16	ECKD1H102ZF	0.001 " "	1	
C22	ECCD1H070DC	7 P " "	1	
C23	ECKD1H103ZF	0.01 " "	1	
C24	ECFVD333MD	0.033 25V Semi-Conductor	1	
C25	ECKD1H103MD	0.01 50V Ceramic	1	
C26	ECEA1CS330	33 16V Electrolytic	1	S
C29	ECKD1H103MD	0.01 50V Ceramic	1	
C30,31	ECFVD223MD	0.022 25V Semi-Conductor	2	
C32	ECCD1H470KC	47 P 50V Ceramic	1	
C36	ECEA1AS470	47 10V Electrolytic	1	S
C39	ECFVD223MD	0.022 25V Semi-Conductor	1	
C40	ECEA1HS100	10 50V Electrolytic	1	S
C41	ECEA25Z4R7	4.7 25V "	1	S
C42	ECCD1H101K	100 P 50V Ceramic	1	
C43	ECCD1H181K	180 P " "	1	
C44	ECCD1H331K	330 P " "	1	
C46	ECKD1H472M	0.0047 " "	1	
C47	ECFVD333MD	0.033 25V Semi-Conductor	1	
C48	ECEA1AS101	100 10V Electrolytic	1	S
C50	ECEA50Z3R3	3.3 50V "	1	S
C51	ECFVD223MD	0.022 25V Semi-Conductor	1	
C52,53	ECFVD333MD	0.033 " "	2	
C54	ECEA50ZR22	0.22 50V Electrolytic	1	S
C55	ECEA50ZR47	0.47 " "	1	S
C56	ECEA50Z1	1 " "	1	S
C58	ECEA50Z3R3	3.3 " "	1	S
C60	ECEA50Z3R3	3.3 " "	1	S
C61	ECEA1AS101	100 10V "	1	S
C62	ECQS2B681JW	680 P 125V Styrol	1	
C64	ECKD1H103MD	0.01 50V Ceramic	1	
C66	ECEA1AS470	47 10V Electrolytic	1	S
C68	ECFVD223MD	0.022 25V Semi-Conductor	1	
C70	ECEA50ZR33	0.33 50V Electrolytic	1	S
C71	ECCD1H030C	3 P " Ceramic	1	
C75	ECKD1H102MD	0.001 " "	1	
C101	ECKD1H152MD	0.0015 " "	1	

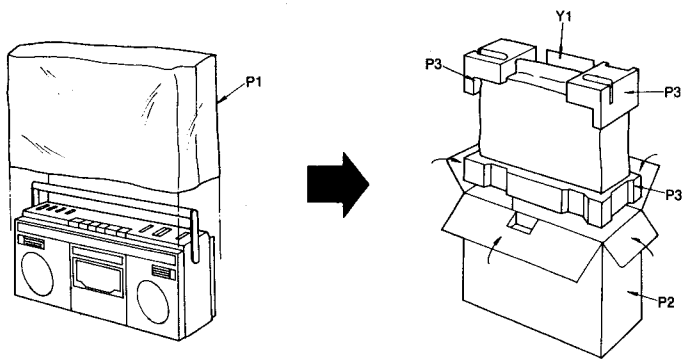
Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
C102	ECEA50Z1	1 50V Electrolytic	1	S
C103	ECEA1AS101	100 10V "	1	S
C104	ECFVD223MD	0.022 25V Semi-Conductor	1	
C105	ECEA50Z1	1 50V Electrolytic	1	S
C106	ECEA50Z3R3	3.3 " "	1	S
C107	ECEA50Z1	1 " "	1	S
C108	ECEA50ZR47	0.47 " "	1	S
C109	ECEA50ZR22	0.22 " "	1	S
C110	ECEA50Z1	1 " "	1	S
C111	ECCD1H181K	180 P " Ceramic	1	
C112	ECKD1H103MD	0.01 " "	1	
C113	ECEA1AS470	47 10V Electrolytic	1	S
C114	ECEA50Z1	1 50V "	1	S
C115	ECEA50ZR47	0.47 " "	1	S
C116	ECKD1H222MD	0.0022 " Ceramic	1	
C117	ECQS2B561JW	560 P 125V Styrol	1	
C118	ECEA50Z1	1 50V Electrolytic	1	S
C119	ECFVD223MD	0.022 25V Semi-Conductor	1	
C120	ECEA1AS470	47 10V Electrolytic	1	S
C121	ECKD1H471KB	470 P 50V Ceramic	1	
C122	ECEA1AS470	47 10V Electrolytic	1	S
C123	ECCD1H100KC	10 50V Ceramic	1	
C124	ECQG05224MZ	0.22 " Polyester	1	
C125	ECEA1AS471	470 10V Electrolytic	1	S
C126	ECKD1H102MD	0.001 50V Ceramic	1	
C127	ECKD1H222MD	0.0022 " "	1	
C129	ECKD1H102ZF	0.001 " "	1	
C130	ECKD1H222MD	0.0022 " "	1	
C131	ECCD1H330KC	33 P " "	1	
C132	ECKD1H682MD	0.0068 " "	1	
C133	ECKD1H102MD	0.001 " "	1	
C134	ECEA50ZR1	0.1 " Electrolytic	1	S
C135	ECKD1H222MD	0.0022 " Ceramic	1	
C137	ECCD1H101K	100 P " "	1	
C138	ECKD1H102MD	0.001 " "	1	
C139	ECCD1H331K	330 P " "	1	
C201	ECKD1H152MD	0.0015 " "	1	
C202	ECEA50Z1	1 " Electrolytic	1	S
C203	ECEA1AS101	100 10V "	1	S
C204	ECFVD223MD	0.022 25V Semi-Conductor	1	
C205	ECEA50Z1	1 50V Electrolytic	1	S
C206	ECEA50Z3R3	3.3 " "	1	S
C207	ECEA50Z1	1 " "	1	S
C208	ECEA50ZR47	0.47 " "	1	S
C209	ECEA50ZR22	0.22 " "	1	S
C210	ECEA50Z1	1 " "	1	S
C211	ECCD1H181K	180 P " Ceramic	1	
C212	ECKD1H103MD	0.01 " "	1	
C213	ECEA1AS470	47 10V Electrolytic	1	S
C214	ECEA50Z1	1 50V "	1	S
C215	ECEA50ZR47	0.47 " "	1	S
C216	ECKD1H222MD	0.0022 " Ceramic	1	
C217	ECQS2B561JW	560 P 125V Styrol	1	
C218	ECEA50Z1	1 " Electrolytic	1	S
C219	ECFVD223MD	0.022 25V Semi-Conductor	1	
C220	ECKD1H222MD	0.0022 50V Ceramic	1	

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
C221	ECEA1AS470	47 10V Electrolytic	1	S
C222	ECCD1H100KC	10 P 50V Ceramic	1	
C223	ECEA1AS101	100 10V Electrolytic	1	S
C224	ECQG05224MZ	0.22 50V Polyester	1	
C225	ECEA1AS471	470 10V Electrolytic	1	S
C226	ECKD1H102MD	0.001 50V Ceramic	1	
C227	ECKD1H222MD	0.0022 " "	1	
C228,229	ECKD1H102ZF	0.001 " "	2	
C230	ECKD1H471K	470 P " "	1	
C231	ECCD1H330KC	33 P " "	1	
C232	ECKD1H682MD	0.0068 " "	1	
C233	ECKD1H102MD	0.001 " "	1	
C234	ECEA50ZR1	0.1 " Electrolytic	1	S
C235	ECKD1H222MD	0.0022 " Ceramic	1	
C237,238	ECCD1H101K	100 P " "	2	
C239	ECCD1H101K	100 P " "	1	
C240	ECCD1H331K	330 P " "	1	
C241	ECCD1H101K	100 P " "	1	
C242	ECKD1H102MD	0.001 " "	1	
C301	ECEA1CS221	220 16V Electrolytic	1	S
C302	ECEA1CS222	2200 " "	1	S
C303	ECEA1ES101	100 25V "	1	S
C304	ECEA1CS221	220 16V "	1	S
C305,306	ECEA1AS101	100 10V "	2	S
C308,309	ECEA1AS101	100 " "	2	S
C310	ECEA1HS100	10 50V "	1	S
C311	ECCD1H181K	180 P " Ceramic	1	
C312	ECKD1H102ZF	0.001 " "	1	
C314	ECEA1CS330	33 16V Electrolytic	1	S
C315	ECEA1HS100	10 50V "	1	S
C316	ECEA1AS470	47 10V "	1	S
C317	ECFVD333MD	0.033 25V Semi-Conductor	1	
C318	ECEA1AS221	220 10V Electrolytic	1	S
C319	ECQS2B122JZ	0.0012 125V Styrol	1	
C320	ECQG05223MZ	0.022 50V Polyester	1	
C321∿324	ECKD1H103ZF	0.01 " Ceramic	4	
C334	ECEA1AS470	47 10V Electrolytic	1	S
C335	ECSF10E10	10 " "	1	
C338	ECKD1H103MD	0.01 50V Ceramic	1	
C339	ECFVD473MD	0.047 25V Semi-Conductor	1	
C340	ECCD1H331K	330 P 50V Ceramic	1	
		CABINET PARTS		
K1	RYMX5110M8	Front Cabinet Ass'y	1	
K1-1	RYQX5110M	Cassette Slot Ass'y	1	
K1-2	QMA2704	Bracket, Cassette Slot	1	
K1-3	QBN8003	Spring, Cassette Slot	1	
K2	RYFX5110M7	Rear Cabinet Ass'y for USA	1	
K2	RYFX5110C7	Rear Cabinet Ass'y for Canada	1	
K2-1	RJT398Y	Connecting Pipe, Battery Spring	1	
K2-2	RJC505Z	Spring, Battery - Side	1	
K2-3	RJC931Z	Spring, Battery +, - Side	1	
K2-4	QJB0116	Terminal, Battery + Side	1	
K2-5	RKX178Z	Arm, Handle	2	
K2-6	RKX179Z	Handle, Cabinet	1	
K2-7	QBP1817	Stopper, Arm	2	

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
K2-8	RKX184Z	Washer, Arm	2	
K2-9	XTB3+8CFN	Screw, Handle M'tg	2	S
K3	RYNX5110M7	Battery Cover Ass'y	1	
K4	XEARR345CAN	Telescopic Antenna, 3 Steps 1005mm	1	
K5	RJT651Z	Terminal, Telescopic Antenna	1	
K6	RUB201Z	Lever, Recording Switch	1	
K7	RKE316Z	Stay Shaft	1	
K8	RBD113Z	Knob, Volume, Tone	3	
K9	RBS171X	Knob, Tape, Meter Etc.	4	
K10	RBN516Z	Knob, Tuning	1	
K11	XTV3+8G	Screw, Antenna Terminal	1	
K12	XTV3+10G	Screw	6	
K13	XTN3+10C	Screw, Bracket M'tg	2	
K14	XTN35D50G	Screw, Cabinet M'tg	6	
K15	XTB3+35C	Screw, Rec Lever M'tg	1	
K16	XWG3F13	Washer, Cassette Slot & Rec Lever M'tg	2	S
K17	XYN3+F15FY	Screw, Telescopic Antenna M'tg	1	
		ELECTRICAL PARTS		
E1	QWY4113Z	R/P Head	1	
E2	QWY2129	Erase Head	1	
E3	RZAX5120FX	Dial Chassis Ass'y	1	
E3-1	RDT5151Z	Shaft, Tuning	1	
E3-2	XUCR5FY	E Ring, Tuning Shaft	1	
E3-3	RDR20-3	Roller, Dial	1	
E3-4	RDY43Z	Shaft, Roller	1	
E4	RJM142Z	Microphone	2	
E5	RJS253Y	Socket, 3 Pin	3	
E6	RJS216Y	Socket, 4 Pin	2	
E7	RJS112Y	Socket, 6 Pin	2	
E8	RJS219Y	Socket, 7 Pin	1	
E9	RJS264Y	Socket, 8 Pin	1	
E10	RJP137Z	Plug, 3 Pin	3	
E11	RJP107Z	Plug, 4 Pin	2	
E12	RJP142Z	Plug, 6 Pin	2	
E13	RJP119Z	Plug, 7 Pin	1	
E14	RJP171Z	Plug, 8 Pin	1	
E15	RJT462Z	Terminal, Socket	41	
E16	RJT202B	Terminal, Earth	1	
E17	RDD655Z	Drum, Dial	1	
E18	RDS4170A	Spring, Dial	1	
E19	RDZ05Z	Cord, Dial (220cm)	1 ROLL	S
E20	RKD583Z	Scale, Dial	1	
E21	RDP796Z2	Pointer, Dial	1	
E22	RKE317Z1	Jack Board	1	
E23	QJC0018	Terminal, Earth	1	
E24	RMY118X	Heat Sink, IC	1	
E25	RMP165Z	Holder, LED (FM Stereo)	1	
E26	RMP166Z	Holder, LED (METER)	1	
E27	RMC228A	Shield Cover	1	
E28	RMC171Y	Shield Cover (IC)	1	
E29	RHG416Z	Cover, Microphone	2	
E30	RHM108Z	Nut, Headphone	1	

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
E31	XSN26+8	Screw, Variable Capacitor M'tg	1	S
E32	XWA26B	Washer	1	S
E33	XSN3+8S	Screw, Band Switch M'tg	2	S
E34	XWA3B	Washer	2	S
E35	XWG3	Washer	4	S
E36	XYC4+BF6	Screw, Transformer M'tg	2	
E37	XTV3+10G	Screw, PC Board etc. M'tg	24	
E38	XTV3+12GR	Red Screw, PC Board M'tg	15	
E39	XTW3+12QR	Red Screw, Chassis M'tg	1	
E40	XTV3+12F	Screw, Heat Sink M'tg	2	S
E41	QTW1135	Cover, AC IN Jack	1	⚠
E42	RUV387Z	Cover, Voltage Selector Switch	1	⚠
		ACCESSORY		
	RJA22Y	Power Cord, AC	1	S ⚠
		PACKING MATERIALS		
P1	XZB60X60A01	Polyethylene Cover	1	S
P2	RPK1143Z	Gift Box For USA	1	
P2	RPK1157Z	Gift Box For Canada	1	
P3	RPN9331Z	Pad Complete	1	
		PRINTED MATERIALS		
Y1	RQX6744Z	Instruction Book For USA	1	
Y1	RQX6757Z	Instruction Book For Canada	1	

PACKING MATERIALS



[Fig. 25]

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